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## END TERM EXAMINATION

FIRST SEMESTER [BBA/BBA(B&I)] DECEMBER 2008

Paper Code: BBA107

Paper Id: 17107

18107

Subject: Computer Fundamentals

(Batch: 2001-2003)

(Batch: 2003-2004)

Time : 3 Hours

Maximum Marks :75

Note: Attempt any five questions.

- Q1 (a) List out and explain some of the important characteristics of a computer. (7)  
(b) What is the difference between RAM and ROM? How are these memories addressed? (5)  
(c) Why was it not possible to take a program written for one computer and run it on some other computer in the first and second generation of computers? (3)
- Q2 (a) Draw a block diagram to illustrate the basic components of a computer system. Also, explain the functions of the various units. (10)  
(b) Define and distinguish between application software and system software. (5)
- Q3 (a) What is the value of the base for decimal, hexadecimal binary and octal number systems? (4)  
(b) Convert the following numbers from one system to another as defined below:- (8)  
(i)  $2AC_{(16)} = ( )_{(8)}$   
(ii)  $111.01_{(2)} = ( )_{(10)}$   
(iii)  $FAB_{(16)} = ( )_{(10)}$   
(iv)  $247_{(10)} = ( )_{(2)}$   
(c) What are the impact and Non-impact printers? (3)
- Q4 (a) Perform the following subtraction using 1's or 2's complement scheme:- (4)  
(i)  $1010100-1010000$   
(ii)  $20-100$   
(b) What do you understand by secondary storage? Why are disks and tapes called secondary storage devices? Can they be called primary storage devices? Why or why not? (6)  
(c) Why do you think does a hard disk have a higher storage capacity and a faster access time than a floppy disk? (3)  
(d) Give one use or application each of light pen and a joystick. (2)
- Q5 (a) Explain the functions of operating system. (5)  
(b) Explain the following terms in context of DOS:- (10)  
(i) Batch files  
(ii) Chksdsk  
(iii) Redirecting commands  
(iv) Pipes  
(v) CONFIG.SYS and AUTOEXEC.BAT files
- Q6 (a) What is a cell in a spreadsheet? How is a single cell identified? How is a range of cells identified? (5)  
(b) Differentiate between left-and right-justified text. (2)  
(c) What is a style sheet in a word processing application? How is it useful? (5)  
(d) What are the internal and external commands of DOS? (3)
- Q7 (a) What are the most common types of network technologies? Explain. (5)  
(b) Explain how data is stored in magnetic disk? (5)  
(c) What is a super computer? Explain its range of applications. (5)
- Q8 Write short notes on any three of the following:- (5x3=15)  
(a) Sequential and direct access storage devices  
(b) Alphanumeric character codes  
(c) Computer types-Analog, Digital and Hybrid  
(d) Use of wild cards in DOS  
(e) Visual Display Unit (VDU)
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